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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF )

THOMAS F. DEUEL, YUE-SHENG LI,  
NED R. SIEGEL and PETER G. MILNER )

SERIAL NUMBER: 07/542,232 )

FILED: JUNE 21, 1990 )

TITLE: HEPARIN-BINDING GROWTH FACTOR )

GROUP ART UNIT: 186 ✓

EXAMINER:

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97-1.99

Commissioner of Patents and Trademarks

Washington, D. C. 20231

Dear Sir:

Pursuant to 37 CFR 1.97-1.99, as supplemented by MPEP 609, the attached listed publications are cited to the Examiner as being information, which, in the good faith judgment of the inventors and the undersigned attorney, is most material to the subject matter claimed in the above-identified application. This statement applies only to such patents and publications which the inventors and the undersigned attorney have in fact reviewed or considered.

Pursuant to MPEP 609, the cited publications are listed on the attached form PTO-1449.

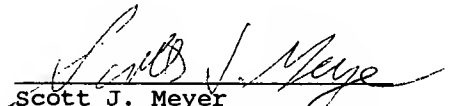
Copies of the cited publications made from the best available copies are enclosed herewith for the convenience of the Examiner.

The relevance of the cited publications is as follows:

Documents A, B and C are recent review articles on peptide and protein growth factors.

Document D is a recent article (October 1989) on "An 18-kd heparin-binding protein of developing brain that is distinct from fibroblast growth factors." The first 14 amino acids of the N-terminus disclosed in the middle paragraph of the left hand column on page 2934, are the same as the first 14 amino acids of the N-terminus of the heparin-binding growth factor claimed herein. However, applicants' growth factor is derived from bovine or human uterus whereas the protein described in document D is derived from perinatal rat brain. Moreover, applicants' growth factor is characterized by a complete amino acid sequence which is not disclosed in Document D.

Respectfully submitted,

  
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